Date Printed: 09/14/2016 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	19.5	21.3	21.9	23.5	1.80	2.40	4.09	.59	2.28
01:00	19.1	20.7	21.2	22.2	1.57	2.09	3.13	.52	1.56
02:00	19.3	20.7	20.9	21.6	1.31	1.56	2.23	.25	.92
03:00	19.0	20.3	20.5	21.8	1.33	1.55	2.80	.22	1.47
04:00	18.4	19.7	20.1	21.3	1.22	1.64	2.82	.43	1.60
05:00	17.9	19.2	19.8	21.1	1.30	1.92	3.22	.63	1.92
06:00	17.8	18.7	19.5	20.6	.94	1.73	2.86	.79	1.92
07:00	18.1	18.8	19.4	20.6	.68	1.26	2.44	.58	1.76
08:00	20.7	20.5	20.9	22.1	-.19	.15	1.35	.34	1.54
09:00	24.8	24.1	23.8	23.8	-.71	-.96	-1.01	-.25	-.29
10:00	26.6	25.7	25.4	25.2	-.84	-1.19	-1.34	-.35	-.51
11:00	28.3	27.2	26.8	26.7	-1.15	-1.48	-1.59	-.33	-.44
12:00	30.2	28.9	28.5	28.4	-1.29	-1.67	-1.81	-.38	-.53
13:00	31.4	30.0	29.6	29.5	-1.39	-1.73	-1.85	-.34	-.46
14:00	32.5	31.2	30.8	30.7	-1.31	-1.66	-1.80	-.35	-.49
15:00	33.5	32.0	31.6	31.5	-1.45	-1.85	-2.00	-.40	-.55
16:00	33.7	32.6	32.2	31.9	-1.12	-1.56	-1.83	-.44	-.72
17:00	33.1	32.4	32.1	32.0	-.72	-1.03	-1.17	-.30	-.45
18:00	30.1	29.8	29.6	29.6	-.32	-.52	-.55	-.20	-.23
19:00	27.4	28.1	28.6	28.6	.76	1.24	1.28	.47	.51
20:00	24.9	26.1	27.2	27.6	1.23	2.33	2.73	1.10	1.51
21:00	23.2	24.6	25.2	25.7	1.36	1.98	2.48	.63	1.12
22:00	22.0	23.4	24.1	24.8	1.37	2.08	2.70	.72	1.33
23:00	21.3	22.6	23.4	24.5	1.27	2.15	3.19	.88	1.92
Avg	24.7	24.9	25.1	25.6	.24	.43	.93	.20	.70
Max	33.7	32.6	32.2	32.0	1.80	2.40	4.09	1.10	2.28
Hr. of Max	16	16	16	17	00	00	00	20	00
Min	17.8	18.7	19.4	20.6	-1.45	-1.85	-2.00	-.44	-.72
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	15.0	15.1	16.5	26.5	77.0	69.5	12.7	12.7	0.010983
01:00	15.2	15.5	16.5	26.3	79.7	73.6	12.9	13.0	0.011101
02:00	15.6	15.8	16.8	26.1	80.3	75.2	13.1	13.3	0.011362
03:00	15.7	16.0	16.8	25.9	83.1	78.1	13.3	13.5	0.011478
04:00	15.7	16.3	16.6	25.7	85.9	82.6	13.3	13.8	0.011475
05:00	15.6	16.6	16.4	25.5	88.4	86.6	13.3	14.0	0.011393
06:00	15.6	16.6	16.3	25.4	89.1	89.4	13.3	14.1	0.0114
07:00	15.9	16.6	16.6	25.2	88.6	88.8	13.5	14.1	0.011597
08:00	17.0	16.6	18.3	25.0	81.3	80.2	14.4	14.0	0.012475
09:00	18.6	18.1	20.6	24.9	70.1	70.8	15.6	15.2	0.013794
10:00	18.2	17.8	21.0	24.9	61.6	63.0	15.2	14.9	0.013488
11:00	17.9	17.6	21.4	25.1	54.7	57.4	14.9	14.6	0.013247
12:00	17.3	17.2	21.6	25.4	47.3	50.5	14.2	14.2	0.012779
13:00	16.9	16.9	21.7	26.0	43.2	46.8	13.9	13.9	0.012476
14:00	16.2	16.4	21.7	26.6	39.1	42.4	13.3	13.5	0.012032
15:00	14.6	14.7	20.9	27.1	33.3	36.3	12.0	12.1	0.010844
16:00	14.6	14.6	21.0	27.5	32.7	34.9	11.9	12.0	0.01084
17:00	14.0	13.9	20.4	27.9	32.5	33.8	11.5	11.5	0.010411
18:00	17.1	17.3	21.4	28.1	46.9	48.5	14.1	14.3	0.012652
19:00	18.1	18.1	21.2	28.2	58.8	56.0	15.1	15.0	0.013496
20:00	18.2	18.1	20.4	28.1	68.2	63.2	15.3	15.2	0.013514
21:00	18.0	18.2	19.8	28.0	74.3	69.5	15.2	15.3	0.013337
22:00	17.9	18.4	19.3	27.8	79.3	75.1	15.1	15.5	0.013245
23:00	18.0	18.4	19.1	27.5	83.2	79.3	15.2	15.6	0.013267
Avg	16.5	16.7	19.3	26.4	65.8	64.6	13.8	14.0	0.012195
Max	18.6	18.4	21.7	28.2	89.1	89.4	15.6	15.6	0.013794
Hr. of Max	09	23	14	19	06	06	09	23	09
Min	14.0	13.9	16.3	24.9	32.5	33.8	11.5	11.5	0.010411
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.011077	17.2	17.3	.00	29.20	988.8	-1.1	.00	277.3
01:00	0.011296	17.3	17.6	.00	29.21	989.1	-1.7	.00	314.2
02:00	0.011535	17.7	18.0	.00	29.21	989.2	-3.2	.00	52.6
03:00	0.011704	17.9	18.3	.00	29.21	989.3	-3.1	.00	29.8
04:00	0.011905	17.9	18.6	.00	29.22	989.4	-1.9	.00	318.0
05:00	0.012108	17.8	18.9	.00	29.22	989.7	-1.9	.00	268.3
06:00	0.012131	17.8	18.9	.00	29.24	990.1	-2.8	.00	259.0
07:00	0.012129	18.1	18.9	.00	29.25	990.6	17.7	.03	64.8
08:00	0.012151	19.5	19.0	.00	29.27	991.1	183.8	.26	156.0
09:00	0.013367	21.5	20.9	.00	29.27	991.3	414.8	.59	188.8
10:00	0.013126	21.0	20.5	.00	29.28	991.5	547.8	.79	186.1
11:00	0.012999	20.7	20.3	.00	29.28	991.5	721.2	1.03	141.7
12:00	0.01267	20.0	19.8	.00	29.26	991.0	862.7	1.24	199.5
13:00	0.012498	19.5	19.5	.00	29.24	990.3	808.9	1.16	110.2
14:00	0.012124	18.8	18.9	.00	29.21	989.4	780.6	1.12	199.6
15:00	0.010893	16.9	17.0	.00	29.18	988.3	774.6	1.11	141.9
16:00	0.010853	16.9	16.9	.00	29.16	987.7	638.2	.91	89.1
17:00	0.010384	16.3	16.2	.00	29.16	987.6	284.2	.41	67.0
18:00	0.01284	19.7	20.0	.00	29.17	988.0	76.6	.11	337.4
19:00	0.013452	21.0	20.9	.00	29.18	988.3	16.8	.02	318.5
20:00	0.013454	21.0	20.9	.00	29.19	988.6	-2.3	.00	330.2
21:00	0.013536	20.8	21.1	.00	29.21	989.1	-2.3	.00	290.3
22:00	0.013635	20.6	21.2	.00	29.21	989.3	-2.5	.00	290.1
23:00	0.013664	20.7	21.3	.00	29.23	989.8	-1.5	.00	272.3
Avg	0.012314	19.0	19.2	.00	29.22	989.5	254.3	.37	274.0
Max	0.013664	21.5	21.3	.00	29.28	991.5	862.7	1.24	337.4
Hr. of Max	23	09	23	23	11	11	12	12	18
Min	0.010384	16.3	16.2	.00	29.16	987.6	-3.2	.00	29.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	79.2	338.2	266.3	300.6	46.6	44.5	47.4	.6	.5
01:00	57.7	94.8	314.7	86.0	59.7	43.5	24.0	.3	.4
02:00	59.5	56.1	57.0	41.2	26.1	11.3	6.0	.8	1.7
03:00	65.5	63.5	14.2	48.1	29.2	23.3	11.5	.4	1.1
04:00	67.7	57.7	318.9	39.7	45.4	26.6	11.1	.3	.7
05:00	42.3	73.3	267.2	23.9	23.1	40.8	19.1	.4	.2
06:00	244.9	186.0	255.9	219.8	38.8	15.9	30.2	.9	1.5
07:00	242.3	249.7	86.6	248.9	66.3	59.7	32.4	.2	.3
08:00	286.2	229.9	173.0	226.3	47.0	51.6	15.4	.2	.1
09:00	215.0	226.7	194.0	221.3	32.9	31.0	25.0	2.2	2.9
10:00	197.0	192.4	190.5	193.6	55.6	48.9	48.1	1.4	1.6
11:00	158.2	168.9	150.4 +	162.1	50.2	47.0	46.7	1.6	1.7
12:00	203.5	194.3	208.5	191.4	71.9	65.7	58.3	1.9	2.4
13:00	112.2	110.1	114.9	97.6	58.7	55.8	55.3	2.4	2.1
14:00	212.0	208.6	201.0 +	205.9	45.0	37.9	37.4	3.9	4.4
15:00	146.0	143.5	145.1	134.1	45.1	46.0	44.3	3.3	3.7
16:00	89.7	87.7	96.4	76.7	48.5	47.2	41.8	2.7	3.2
17:00	59.5	59.6	74.2	47.2	47.7	39.9	36.4	2.0	2.8
18:00	348.6	350.4	335.9	335.9	36.7	23.8	15.0	2.6	4.3
19:00	354.5	14.0	318.8	357.0	38.9	29.3	30.1	1.2	2.0
20:00	26.9	32.1	328.3	15.5	33.6	15.3	12.3	.8	2.0
21:00	91.1	92.6	285.6	81.1	49.2	48.3	39.2	.6	.5
22:00	264.3	128.3	287.5	146.2	62.2	55.7	38.4	1.0	1.0
23:00	21.2	293.8	254.8	282.3	66.4	57.3	44.7	.3	.8
Avg	82.0	108.0	252.0	94.0	46.9	40.3	32.1	.0	.0
Max	354.5	350.4	335.9	357.0	71.9	65.7	58.3	3.9	4.4
Hr. of Max	19	18	18	19	12	12	12	14	14
Min	21.2	14.0	14.2	15.5	23.1	11.3	6.0	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	.7	.9	.6	1.3	1.1	1.6	1.6	.6	.03
01:00	.4	.6	.6	.5	.8	.8	2.0	-.1	.03
02:00	2.3	.9	1.9	2.4	1.1	2.6	3.1	.7	.05
03:00	1.8	.6	1.2	1.9	.8	2.1	.9	.3	.01
04:00	1.3	.4	.7	1.4	.7	1.7	2.3	.9	.03
05:00	.3	.5	.2	.3	.8	.8	1.2	-.5	.01
06:00	.8	1.0	1.5	.9	1.3	1.3	1.0	-.2	.01
07:00	1.0	.4	.6	1.1	.7	1.4	2.9	-.3	.04
08:00	2.2	.4	.5	2.3	.8	2.5	3.8	-.1	.10
09:00	3.6	2.9	3.4	4.0	3.4	4.4	2.7	-3.1	.09
10:00	1.8	2.3	2.4	2.4	2.9	3.0	.5	-.4	.05
11:00	1.9	2.8	2.9	3.3	3.3	3.9	-4.4	-11.6	-.22
12:00	2.6	3.6	3.8	3.6	4.3	4.4	-6.7	-6.3	-.47
13:00	1.9	3.7	3.6	3.4	4.3	4.1	-1.3	2.5	-.10
14:00	4.7	4.7	5.1	5.2	5.2	5.9	2.8	.1	.08
15:00	4.1	4.8	5.5	5.9	5.7	6.6	2.6	1.7	.11
16:00	4.2	3.7	4.4	5.3	4.5	6.0	5.8	6.1	.25
17:00	3.5	3.3	4.3	4.9	3.9	5.4	2.5	4.1	.01
18:00	6.2	2.9	4.5	6.4	3.3	6.8	-3.1	-1.0	-.43
19:00	2.6	1.3	2.1	2.7	1.6	3.0	.2	-1.4	-.04
20:00	2.7	.9	2.2	2.9	1.1	3.1	.8	1.1	.02
21:00	1.4	1.0	1.1	1.7	1.3	1.9	1.3	.9	.02
22:00	.7	1.6	1.9	1.7	1.9	2.0	.6	2.3	.00
23:00	1.0	1.3	1.5	1.7	1.5	1.9	.9	.8	.02
Avg	.0	1.9	2.4	2.8	2.3	3.2	1.0	-.1	-.01
Max	6.2	4.8	5.5	6.4	5.7	6.8	5.8	6.1	.25
Hr. of Max	18	15	15	18	15	18	16	16	16
Min	.3	.4	.2	.3	.7	.8	-6.7	-11.6	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.02	2.5	1.8	6.4	6.3	10.3	22.2	24.3
01:00	.00	4.1	2.5	2.5	8.1	15.3	21.6	23.0
02:00	.04	2.3	4.8	4.8	8.5	5.9	21.7	22.5
03:00	.02	2.3	3.2	3.7	8.5	8.5	21.3	22.7
04:00	.03	2.7	2.3	3.2	9.1	9.7	20.7	22.2
05:00	.00	2.1	1.6	2.5	8.1	15.5	20.2	22.1
06:00	.00	2.7	3.2	3.0	6.4	10.3	19.8	21.6
07:00	.00	2.1	4.1	2.3	8.3	7.6	19.9	21.5
08:00	.00	2.1	2.3	3.7	20.1	6.5	21.8	23.0
09:00	-.26	6.9	7.6	8.0	20.3	16.0	25.3	24.6
10:00	-.11	9.8	11.9	12.8	28.6	31.9	27.0	26.1
11:00	-.85	8.5	9.4	9.6	27.1	27.3	28.3	27.5
12:00	-.56	10.5	11.7	11.4	24.9	30.8	29.8	29.0
13:00	.27	9.2	8.9	9.6	23.6	27.7	31.0	30.1
14:00	-.08	11.9	12.8	12.1	22.3	26.3	31.9	31.0
15:00	.05	11.0	13.5	13.1	20.4	22.0	32.6	31.6
16:00	.55	16.7	11.2	14.0	25.9	21.8	33.4	32.2
17:00	.16	9.6	10.1	10.1	21.9	18.6	33.1	32.2
18:00	-.21	11.7	14.0	11.7	22.5	9.0	30.9	30.2
19:00	-.08	5.0	7.8	6.2	12.3	11.2	29.2	29.3
20:00	.07	3.0	7.8	8.5	10.6	4.3	27.1	28.3
21:00	.03	2.5	3.7	3.4	9.6	7.8	25.8	26.6
22:00	.05	4.8	5.7	5.7	8.3	10.4	24.6	25.7
23:00	.04	3.7	6.6	10.3	9.8	11.9	23.8	25.5
Avg	-.03	6.2	7.0	7.4	15.5	15.3	26.0	26.4
Max	.55	16.7	14.0	14.0	28.6	31.9	33.4	32.2
Hr. of Max	16	16	18	16	10	10	16	17
Min	-.85	2.1	1.6	2.3	6.3	4.3	19.8	21.5
Count	24	24	24	24	24	24	24	24
Total								